

IMPORT HEALTH REQUIREMENTS OF VIETNAM FOR BOVINE SEMEN EXPORTED FROM THE UNITED STATES

The semen must be accompanied by a U.S. Origin Health Certificate issued by a veterinarian authorized by the U.S. Department of Agriculture (USDA) and endorsed by a Veterinary Services (VS) veterinarian. The certificate must contain the names and addresses of the consignor and consignee and complete identification of the donor bulls. It must also contain the following certification statements and the results of the indicated testing.

CERTIFICATION STATEMENTS

1. At the time of collection of the semen for export, the donor bulls had been resident at the artificial insemination (AI) center for at least 6 months and during this time were not used for natural service.
2. The United States has been free of foot-and-mouth disease, rinderpest, East Coast fever, and contagious bovine pleuropneumonia for at least 3 years.
3. No case of vesicular stomatitis was reported within 10 km of the AI center during the 3 months immediately prior to collection of the semen for export.
4. The AI center was clinically free of Johne's disease and enzootic bovine leukosis (EBL) for at least 3 years prior to the collection of the semen for export.
5. The AI center was free of brucellosis and tuberculosis for at least 3 years prior to collection of the semen for export.
6. The AI center was free of trichomoniasis, bovine genital campylobacteriosis (BGC), and leptospirosis for the last 12 months prior to collection of the semen for export.
7. The AI center was clinically free of infectious bovine rhinotracheitis (IBR), bluetongue, Q fever, and bovine virus diarrhea (BVD) for at least 12 months prior to collection of the semen for export.
8. The following antibiotics were added to the semen and the extender during processing:
 - a. Gentamicin 250 mcg per ml;
 - b. Tylosin 50 mcg per ml;
 - c. Lincomycin 150 mcg per ml; and
 - d. Spectinomycin 300 mcg per ml.
9. To the best of my knowledge, the semen is free of pathogenic microorganisms.

TEST REQUIREMENTS

The donor bulls must be tested as prescribed below, with negative results, within 6 months before to 6 months after collection of the semen for export (or within the time frame specified). All serological and microbiological tests must be conducted at a laboratory recognized by USDA.

1. Brucellosis: Standard tube test or standard plate test at a 1:50 dilution OR buffered *Brucella* antigen test (e.g., card test) test OR complement fixation (CF) test OR ELISA.
2. Tuberculosis: Intradermal test using bovine PPD tuberculin.
3. Leptospirosis: Microtiter agglutination test at a 1:400 dilution for *L. canicola*, *L. grippotyphosa*, *L. hardjo*, *L. icterohaemorrhagiae*, and *L. pomona*.
4. IBR: Serum neutralization (SN) test at 1:8 dilution OR ELISA OR virus isolation (VI) test on the semen to be exported.
5. BVD: VI test on blood or serum OR VI test on the semen to be exported.
6. Bluetongue: Agar-gel immunodiffusion (AGID) test OR ELISA OR VI test on whole blood drawn on the day of semen collection.
[Test not required if the AI center is located in a State considered free of bluetongue transmission. These States are: Alaska, Connecticut, Delaware, Hawaii, Indiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, North Dakota, Ohio, Pennsylvania, Rhode Island, Vermont, Washington (western part), West Virginia, and Wisconsin.]
7. Trichomoniasis: Culture of preputial washings.
8. BGE: Culture of preputial washings.
9. Johne's disease: CF test OR ELISA OR fecal culture, within 12 months before to 12 months after collection of the semen for export.
10. EBL: AGID test OR ELISA.

OTHER INFORMATION

The permanent markings on each ampule or straw of semen are to include the date of collection, the registration number, the registration name of the donor bull and the identification of the semen production center where the semen was collected.

Health Certificate No. _____
(Valid only if the USDA Veterinary
Seal appears over the certificate no.)

U.S. ORIGIN HEALTH CERTIFICATE FOR EXPORT OF BOVINE SEMEN FROM THE UNITED STATES TO VIETNAM

I. MINISTRY: United States Department of Agriculture

II. AGENCY: Animal and Plant Health Inspection Service

III. NAME AND ADDRESS OF CONSIGNOR: _____

IV. NAME AND ADDRESS OF CONSIGNEE: _____

V. NAME, ADDRESS, AND CODE NUMBER OF AI CENTER: _____

VI. TOTAL NUMBER OF DOSES IN SHIPMENT: _____

VII. DONOR IDENTIFICATION:

REGISTERED NAME AND NUMBER*	BREED	DATE OF BIRTH	NO. OF DOSES	COLLECTION DATE	COLLECTION CODE

*With breed association or equivalent

VIII. CERTIFICATION STATEMENTS

A. At the time of collection of the semen for export, the donor bulls had been resident at the AI center for at least 6 months and during this time were not used for natural service.

B. The United States has been free of foot-and-mouth disease, rinderpest, East Coast fever, and contagious bovine pleuropneumonia for at least 3 years.

C. No case of vesicular stomatitis was reported within 10 km of the AI center during the 3 months immediately prior to collection of the semen for export.

D. The AI center was clinically free of Johne's disease and enzootic bovine leukosis (EBL) for at least 3 years prior to collection of the semen for export.

E. The AI center was free of brucellosis and tuberculosis for at least 3 years prior to collection of the semen for export.

F. The AI center was free of trichomoniasis, bovine genital campylobacteriosis (BGC), and leptospirosis for at least 12 months prior to collection of the semen for export.

G. The AI center was clinically free of infectious bovine rhinotracheitis (IBR), bluetongue, Q fever, and bovine virus diarrhea (BVD) for at least 12 months prior to collection of the semen for export.

H. The following antibiotics were added to the semen and the extender during processing:

1. Gentamicin 250 mcg per ml;
2. Tylosin 50 mcg per ml;
3. Lincomycin 150 mcg per ml; and
4. Spectinomycin 300 mcg per ml.

I. To the best of my knowledge, the semen is free of pathogenic microorganisms.

IX. TESTING

The donor bulls were tested as prescribed below, with negative results, within 6 months before to 6 months after collection of the semen for export (or within the time frame specified). All serological and microbiological tests were conducted at a laboratory recognized by USDA.

<u>Disease</u>	<u>Test</u>	<u>Bull No. and Test Date</u>
A. Brucellosis:	Standard tube test or standard plate test at a 1:50 dilution <u>OR</u> ¹ buffered <i>Brucella</i> antigen test (e.g., card test) <u>OR</u> ¹ complement fixation (CF) test <u>OR</u> ¹ ELISA	_____ _____ _____ _____ _____ _____

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B. Tuberculosis: Intradermal test using bovine PPD tuberculin _____

C. Leptospirosis: Microtiter agglutination test at 1:400 dilution for *L. canicola*, *L. grippotyphosa*, *L. hardjo*, *L. icterohaemorrhagiae*, and *L. pomona* _____

D. IBR: Serum neutralization test at a 1: 8 dilution OR¹ ELISA OR¹ virus isolation (VI) test on the semen to be exported _____

E. BVD: VI test on blood or serum OR¹ VI test on the semen to be exported _____

F. Bluetongue:² Agar-gel immunodiffusion (AGID) test OR ELISA OR VI test on whole blood drawn on the day of semen collection _____

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G. Trichomoniasis: Culture of preputial washings

H. BGC: Culture of preputial washings

I. Johne's Disease: CF test OR¹ ELISA OR¹
fecal culture, within 12 months
before to 12 months after
collection of the semen for export

J. EBL: AGID test OR¹ ELISA

¹Line out the entry that does not apply.
²Test not required if the AI center is located in a State considered free of bluetongue transmission. These States are: Alaska, Connecticut, Delaware, Hawaii, Indiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New York, North Dakota, Ohio, Pennsylvania, Rhode Island, Vermont, Washington (western part), West Virginia, and Wisconsin.

Health Certificate No. _____
(Valid only if the USDA Veterinary
Seal appears over the certificate no.)

Done at _____ on _____

Name of issuing USDA-accredited veterinarian

Signature of issuing USDA-accredited veterinarian

Done at _____ on _____

Name of endorsing Federal veterinarian

Signature of endorsing Federal veterinarian